

Transportation for the Nation (TFTN) Panel Discussion – The FHWA Perspective

GIS-T Symposium

Charleston, WV

April 13, 2010

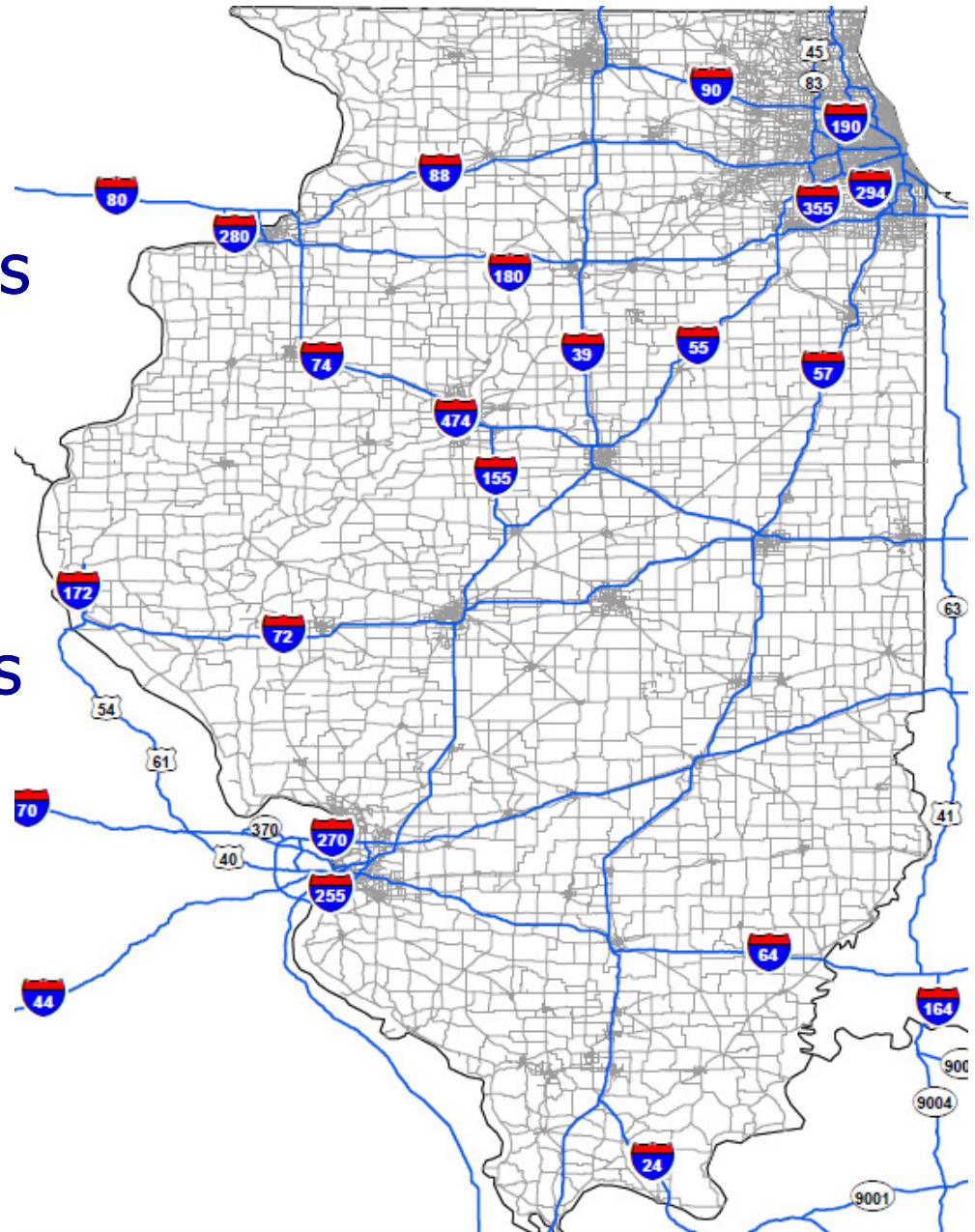
The Ideal TFTN Product

- A national transportation data source
- Surface transportation system attributes
- Should meet the needs of both public and private sector customers
 - The Army Corps of Engineers, Dept. of Defense, Census Bureau, etc.
 - Federal, State, and local government contractors (private-sector entities)



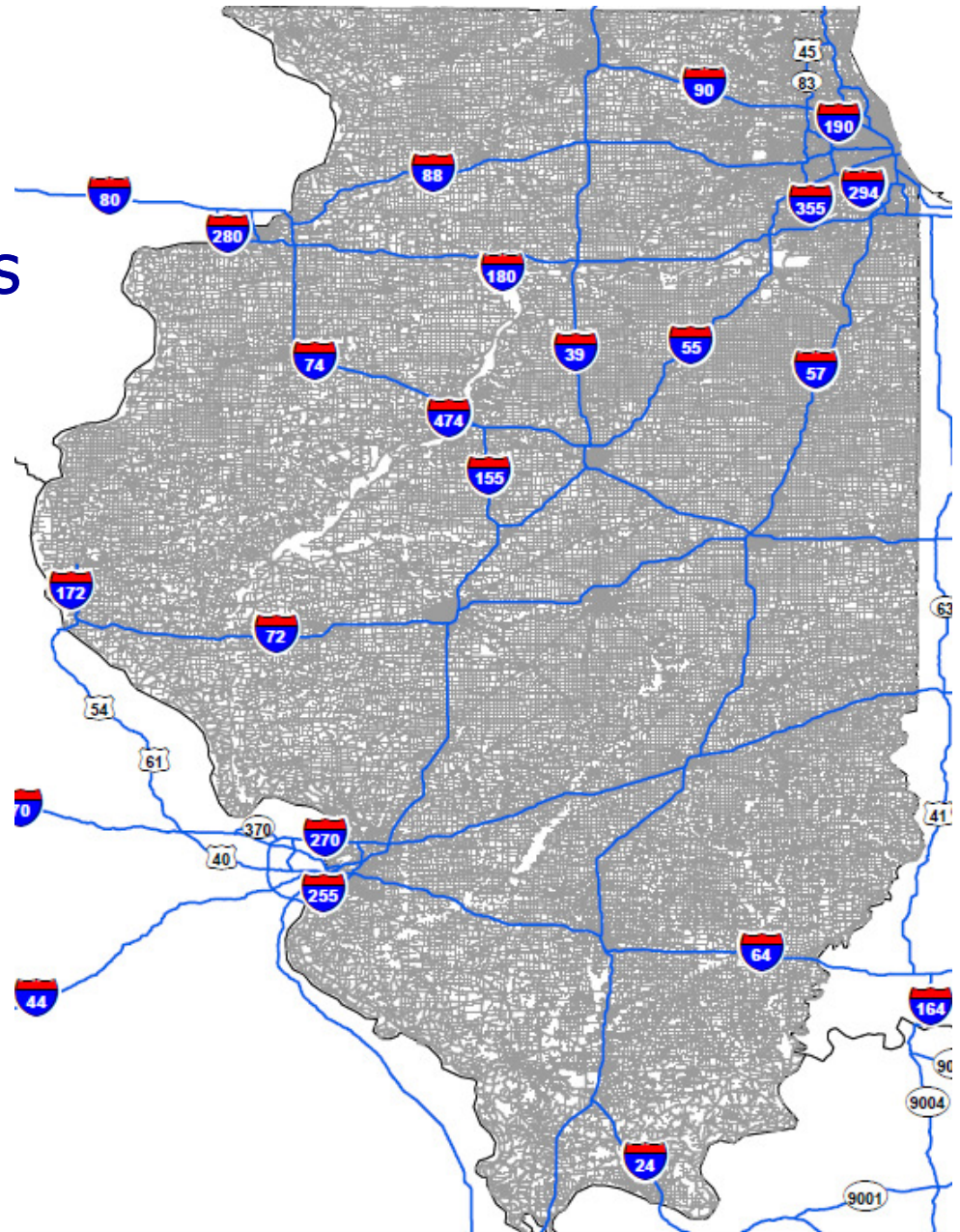
Coverage of Roads in HPMS

- Federal-aid Roads
 - Interstates
 - Freeways/Expressways
 - Principal Arterials
 - Minor Arterials
 - Major Collectors
 - Urban Minor Collectors
 - *National Highway System (NHS)*

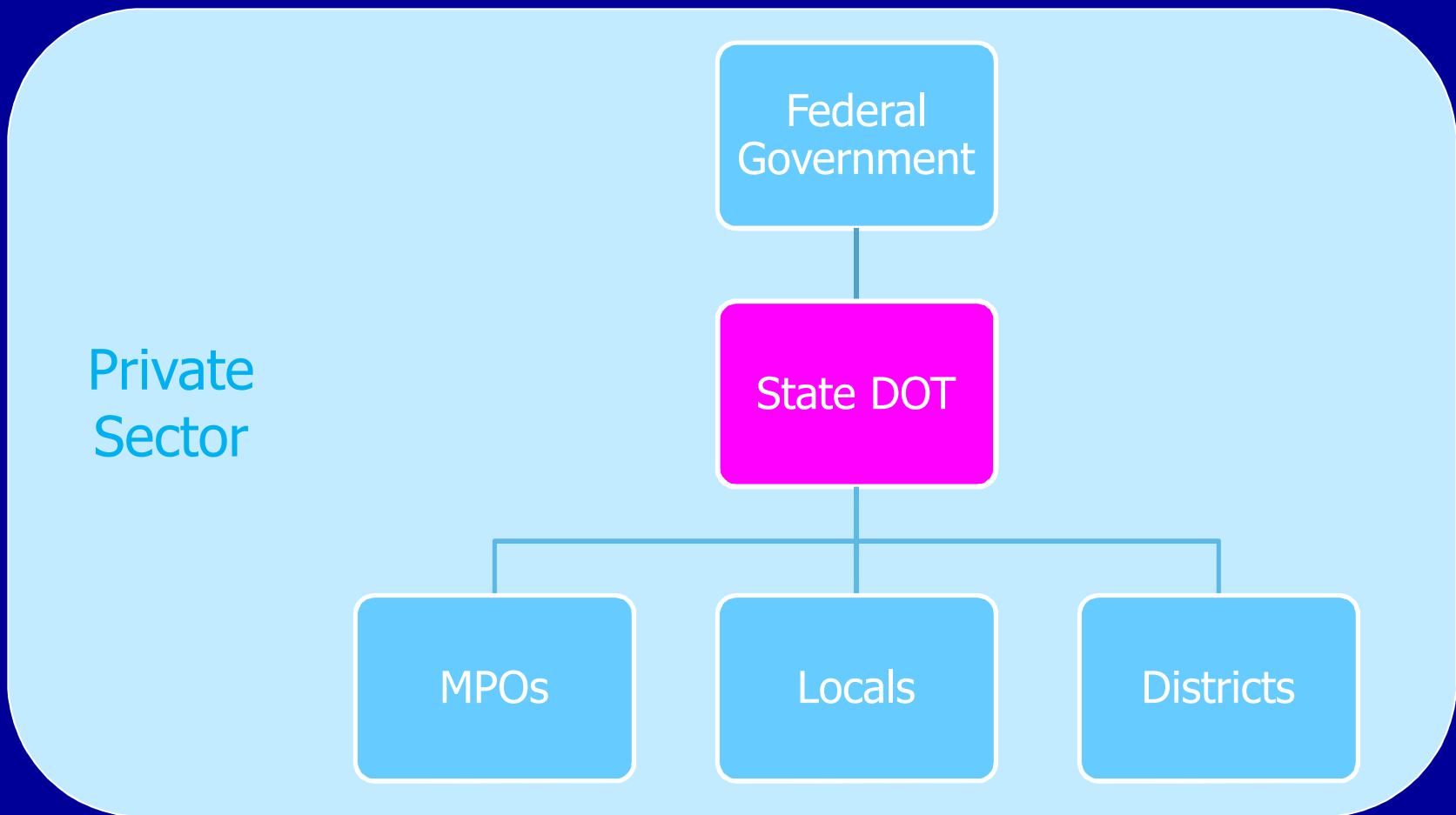


All Functional Systems

- Federal-aid Roads
 - Interstates
 - Freeways/Expressways
 - Principal Arterials
 - Minor Arterials
 - Major Collectors
 - Minor Collectors (All)
 - Locals
- *National Highway System (NHS)*



Sector Roles



Identifying Roadway Attributes – IRI Example

i Identify [?] [X]

Identify from: <Top-most layer>

AZ_HMPS08
10C020832097

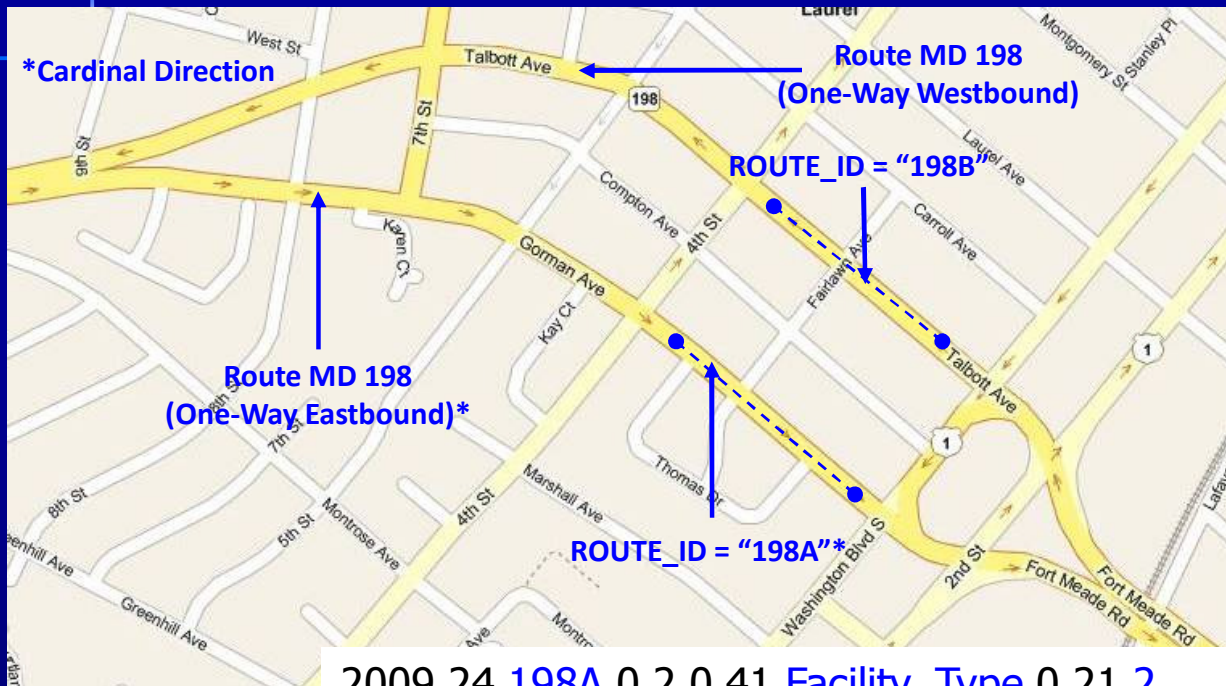
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Field	Value
ROUTE_QUAL	0
ROUTE_NUMB	00000000
OWNERSHIP	2
SPECIAL_SY	0
TYPE_FACIL	2
TRUCK_ROUT	0
TOLL	0
SECTION_LE	2.01
DONUT_VOLU	0
STD_VOLUME	6
AADT	24609
THROUGH LA	2
IRI	173
PSR	3.1
HOV	0
SURV_A	0
SURV_B	0
SURV_C	0
SURV_D	0
SURV_E	0
SURV_F	0
SURV_G	0
SURV_H	0
SURV_I	0
SAMPLE_ID	
DONUT_EXP	0
STD_EXP_FA	0
PAVEMENT_T	0

Identified 1 feature



Specifying Attributes for a "Couplet" in HPMS

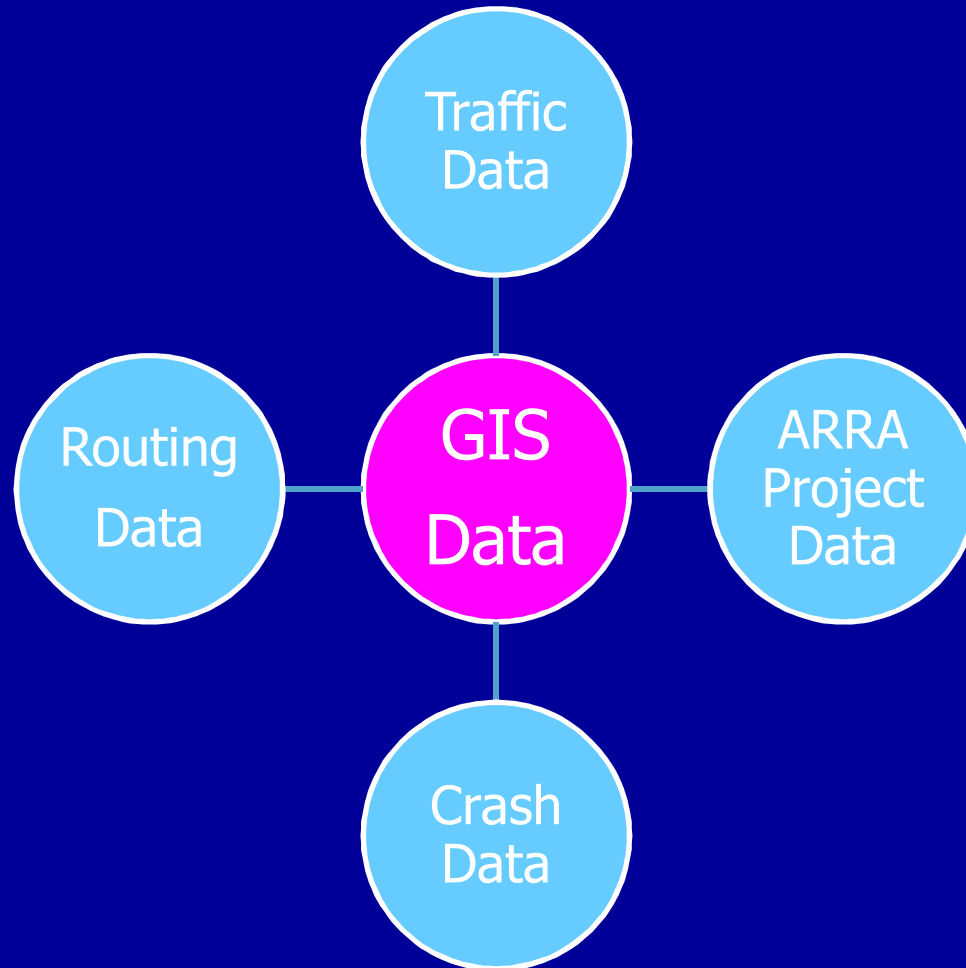


Section data must be reported for **BOTH** sides of a couplet.

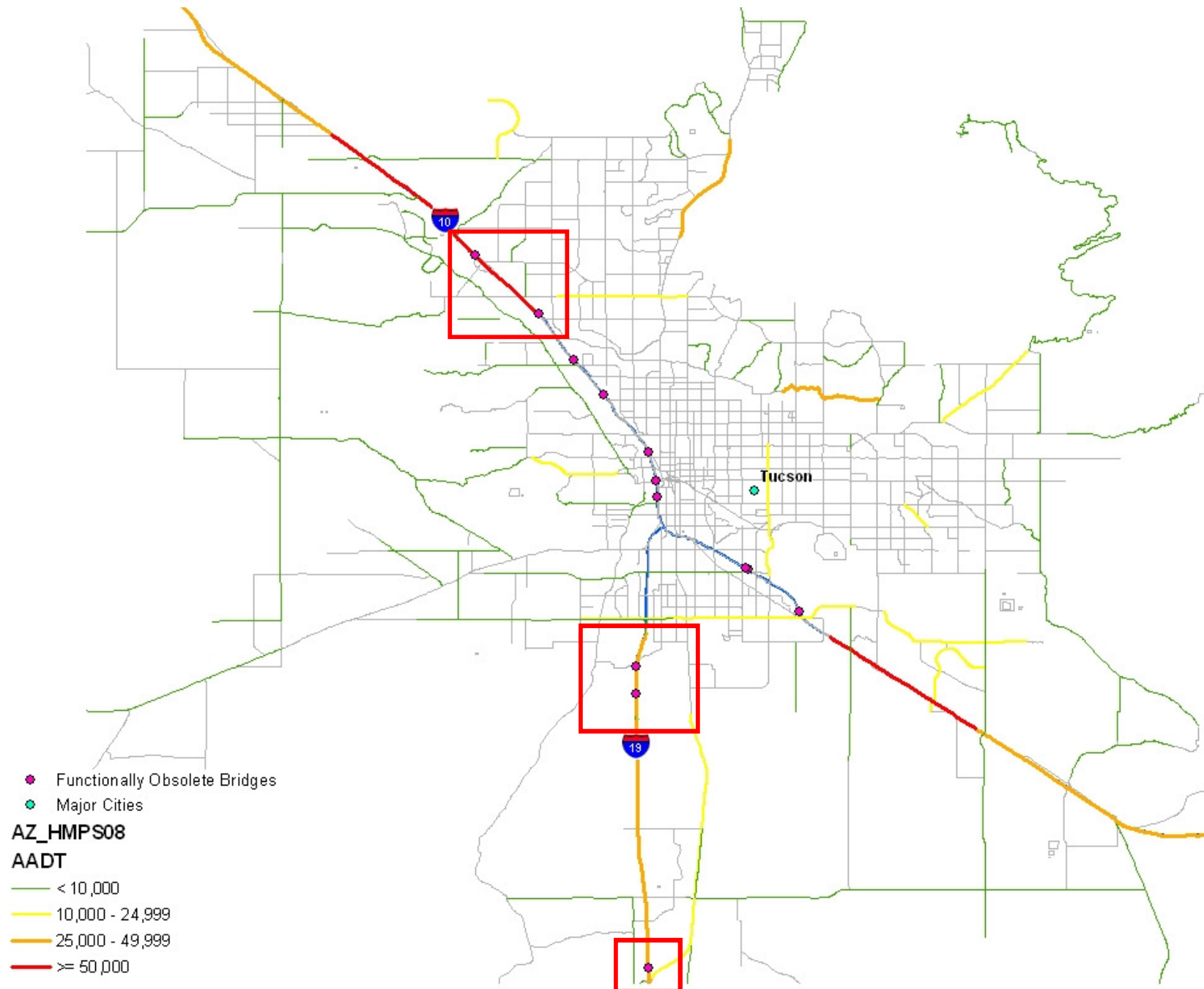
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```



Enterprise System Approach



Identifying Sections with Functionally Obsolete Bridges and AADT $\geq 25K$



Possible Program Roles

- Highway Performance Monitoring System
 - Supply HPMS network and attributes
 - Work to resolve data structure conflict between NHPN and HPMS networks
- Enhanced 911 (e911) Community
 - Coordinate with State DOTs to help ensure that data incorporates addressing and routing components



Potential Program Roles (cont'd)

- Other Federal Programs
 - Ensure cohesive approach amongst all agencies via reporting requirements
 - Work with the States to foster an Enterprise System approach to data management
 - Assist the States with their data collection efforts where possible



Thank You!



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